

That which is claimed is:

1. A system for transferring a continuously advancing paper web from a dryer to a reel section comprising:

5 a first fabric defining a first moving conveyor, the first fabric being positioned downstream from the dryer;

10 a second fabric defining a second moving conveyor, the first moving conveyor overlapping the second moving conveyor for a predetermined distance, the first and second moving conveyors being configured to receive the paper web between the conveyors; and

15 a vacuum device rotatably disposed against the first moving conveyor, the dryer and the vacuum device disposed relative to each other to form an open draw therebetween, the vacuum device configured to produce a suction to attract the web to the first fabric for transferring the advancing web into the predetermined distance where the first and second conveyors overlap.

20 2. The system of Claim 1, wherein the open draw defines a distance of between 4 inches to about 48 inches.

3. The system of Claim 1, wherein the open draw defines a distance of between 10 inches to about 30 inches.

4. The system of Claim 1, further comprising holding means for holding the web against the second moving conveyor.

5. The system of Claim 4, wherein the holding means for holding the web is a vacuum box.

5 6. The system of Claim 5, wherein the vacuum box is configured to produce a vacuum pressure of between 0.1 inches of water to about 3.0 inches of water.

7. The system of Claim 4, wherein the holding means for holding the web is a blow box.

10 8. The system of Claim 4, wherein the holding means for holding the web is a static induction device.

9. The system of Claim 1, further comprising a creping station, the creping station configured to separate and deflect the web from the dryer to the first fabric.

15 10. A system for transferring an advancing web from a dryer to a reel section comprising:

a first felt conveyor configured to receive the web from the dryer at a pick-up point on the first felt conveyor;

20 a second felt conveyor overlapping the first felt conveyor at an overlap area disposed apart from the pick-up point, the first and second felt conveyors being configured to receive the web between the conveyors proximate the overlap area; and

a lead-in roll rotatably disposed against the first felt conveyor a predetermined distance from the dryer such that a draw is formed between the dryer and the lead-in roll, the lead-in roll cooperative with the first felt conveyor such that the advancing web is transferred from the dryer in a direction toward the overlap area.

11. The system of Claim 10, where in the lead-in roll has at least one groove.

12. The system as in Claim 10, further comprising a lead-in vacuum box disposed adjacent the lead-in roll, the lead-in roll disposed substantially between the dryer and the lead-in vacuum box, the lead-in vacuum box configured to suctionally attract the web to the first felt conveyor as the first felt conveyor passes over the lead-in roll.

13. The system as in Claim 10, further comprising an air scoop disposed substantially between the dryer and the lead-in roll, the air scoop configured to deflect an air mass from the dryer in a direction substantially toward the first felt conveyor.

14. The system as in Claim 10, further comprising a second vacuum box disposed adjacent the second felt conveyor proximate a reel in a direction away from the lead-in roll, the reel rotatably disposed against the second felt conveyor, the reel and

the second felt conveyor cooperating to advance the web to a reel spool for winding the web.

15. A system for transporting an advancing paper web comprising:

5 a pick-up fabric conveyor configured to receive and transport the web across an open draw between a dryer and the pick-up fabric conveyor;

10 a delivery conveyor disposed in partial moving engagement with the pick-up fabric conveyor along a length of each of the delivery and pick-up fabric conveyors, the delivery and pick-up fabric conveyors being configured to receive the web between the conveyors; and

15 transferring means for transferring the web from the draw to the pick-up fabric conveyor, the transferring means disposed against the pick-up fabric conveyor and at least partially between the dryer and the delivery conveyor, the transferring means cooperative with the pick-up fabric conveyor for transferring the advancing web from the pick-up fabric conveyor to between the conveyors in the direction of a reel assembly.

20 16. A method for transporting a web from a dryer to a reel section comprising the steps of:

continuously advancing the web from the dryer to a first fabric belt, the first fabric belt arranged to run across pick-up means disposed proximate the dryer for picking up the web;

receiving the web on the first fabric belt by the pick-up means;

advancing the web on the first fabric belt in a direction of a downstream reel spool;

guiding the web between the first fabric belt and a second fabric belt;

threading a continuously advancing leading end portion of the web from the second fabric belt onto the reel spool adjacent a reel drum; and

continuously winding the threaded web into a parent roll on the reel spool.

17. The method of Claim 16, further comprising the step of continuously creping the web as the web advances from the dryer to the first fabric belt.

18. The method of Claim 16, wherein the web is a tissue product having a basis weight of between about 2 grams per square meter (gsm) to about 65 gsm.

19. A system for transferring a continuously advancing tissue web from a dryer to a reel section comprising:

a first permeable conveyor positioned downstream from the dryer, the first permeable conveyor configured to continuously move the web;

a second permeable conveyor configured to continuously move the web, the first permeable conveyor overlapping the second permeable conveyor for a predetermined distance, the first and second permeable conveyors being configured to receive the tissue web between the conveyors; and

a web attraction device disposed proximate the first permeable conveyor and further disposed relative to the dryer to form an open draw therebetween, the web attraction device configured to attract the web to the first permeable conveyor for transferring the advancing web into the predetermined distance where the first and second permeable conveyors overlap.

20. The system of Claim 19, further comprising means for coating the web.

21. The system of Claim 20, wherein the means for coating is at least one of the first and second permeable conveyors, the at least one of the first and second permeable conveyors configured to add a topical agent to the web.

22. A system for transferring and reeling a continuously advancing tissue web from a dryer to a reel section comprising a

conveyor positioned downstream from the dryer such that an open draw is formed between the conveyor and the dryer, the conveyor configured to continuously receive the web across the draw and continuously advance the web along a bottom side of the conveyor in a direction of a reel drum located within a conveyor loop.

23. The system of claim 22, further comprising a pick-up device disposed proximate the draw and the conveyor, the pick-up device configured to attract the web to the conveyor for transferring the advancing web to the reel section.